

Amendments to the Claims

This listing of claims will replace all prior versions, and listings of claims in the application.

1-67. (Canceled)

68. (New) A system comprising a solid surface, wherein the surface is attached to a chimeric MHC class I monomer comprising a human MHC class I domain and a murine MHC class I domain, wherein said chimeric monomer maintains the ability to assemble into a ternary complex with an MHC binding peptide and beta-2 microglobulin.

69. (New) The system of claim 68, wherein the solid surface is a bead or a microtiter plate.

70. (New) The system of claim 68, wherein said solid surface is coated with a first binding ligand, which is connected to said monomer.

71. (New) The system of claim 70, wherein said first binding ligand binds to a second binding ligand, which is attached to said monomer.

72. (New) The system of claim 70, wherein said first binding ligand is an avidin or streptavidin.

73. (New) The system of claim 72, wherein said second binding ligand is biotin.

74. (New) The system of claim 73, wherein said second binding ligand is attached to a C-terminal end of the monomer.

75. (New) The system of claim 68, wherein said human MHC class I domain is a HLA class I domain.

76. (New) The system of claim 75, wherein the HLA class I domain is from HLA-A.

77. (Withdrawn-new) The system of claim 75, wherein the HLA class I domain is from HLA-B or HLA-C.

78. (New) The system of claim 76, wherein said HLA-A is HLA-A*0201, HLA-A * 0301, or HLA-A * 1101.

79. (Withdrawn-new) The system of claim 77, wherein said HLA-B is HLA-B * 0702 or HLA-B * 0801.

80. (New) The system of claim 68, wherein said monomer is bound to beta-2 microglobulin.

81. (New) The system of claim 80, wherein said monomer incorporates a MHC-binding peptide in a solution.

82. (New) The system of claim 81, wherein said monomer is recognized by a monoclonal antibody that distinguishes between a monomer bound to a MHC-binding peptide and a monomer that lacks a MHC-binding peptide.

83. (New) The system of claim 68, which is in a dried form.

84. (New) The system of claim 68, which is in a buffer solution.

85. (New) A kit comprising the system of claim 68.